

## **Step 2. Project Abstract**

**Applicant Name:** Anaconda-Deer Lodge County (ADLC)

**Project Title:** Front and Alder Street Water Main Replacements

---

### **Project Description and Benefits to Restoration:**

Anaconda-Deer Lodge County (ADLC) is proposing its seventh consecutive year of major water main replacements to reduce leakage as a surrogate for developing additional water supply. These endeavors are proposed as “replacement” projects to offset irreparable damage to Anaconda area water resources from mining- and smelting-related groundwater contamination.

UCFRB Restoration Funds remain pivotal to these efforts. While 39,242 feet of transmission and distribution mains are now replaced (or pending) with over \$7 million in assistance from the Restoration Fund, another 44,170 feet remain. Those existing century-old mains may still be causing as much as 1.8 mgd of leakage, or lost otherwise usable water for the Anaconda community. Replacement of mains has been prioritized and scheduled in ADLC’s adopted water master plan, the *Municipal Water System Preliminary Engineering Report* (HKM Engineering, 2004).

Following those priorities, ADLC is requesting funding for the Front and Alder Street mains to replace 7,382 more feet of badly leaking pipe. The leak repairs on these lines number 35 in recent years, and the poor condition of the pipes may be responsible for the loss of as much as 70 million gallons of water per year at a direct (production) cost of \$75,000 per year. More importantly, this water leakage represents a significant lost increment of Anaconda’s limited available water supply.

No long term adverse environmental impacts are predicted from the project, and substantial permanent benefits to Anaconda’s infrastructure and residents will result. Transient impacts associated with project construction have been identified, and suitable mitigation for these is proposed.

The proposed Front and Alder Street main replacements are estimated to cost \$1,862,833, including ADLC cash match of \$100,000 towards construction plus \$5,788 spent for Preliminary Engineering, and in-kind services valued at \$14,876. Combined match committed by the City-County is 6.5 percent. The City-County is unable to afford a greater cash contribution this year as grant match. Its Water Enterprise Fund continues to be cash limited, partly due to unanticipated bond reserve reallocations stemming from a 2006 audit. ADLC’s water rates have increased by double digit percentages each of the last three years, and the City-County has initiated a water rate study to dovetail with the system-wide metering study funded by the NRD Program in 2007.

Preliminary Engineering for the project was completed in March 2008, providing a solid basis for cost estimating and subsequent design and construction. Following design, construction would be fully completed within calendar year 2009. Since 2002, Anaconda has demonstrated its capability to successfully manage and complete NRD-funded projects of this type on schedule and within budget.

This project proposal is an essential next step in Anaconda’s critical water infrastructure upgrades. It represents fiscally and environmentally responsible planning on the part of the City-County to offset resource losses due to past mining-related degradation. Without the ability to readily expand its existing municipal water supply due to widespread groundwater contamination, water resource “replacement” by reducing leakage to conserve existing supplies is the only feasible option.

2008 Application		BUDGET SUMMARY FORM - ADLC Front & Alder St. Water Main Replacements				
EXPENSE CATEGORY		UCFRB RESTORATION FUND	MATCHING FUNDS			TOTAL
			Cash	In-Kind	Subtotal	
1	SALARIES AND WAGES			\$9,746.94	\$9,746.94	\$9,746.94
2	FRINGE BENEFITS			\$2,729.14	\$2,729.14	\$2,729.14
3	CONTRACTED SERVICES	\$1,742,169.02	\$105,788.00	\$2,400.00	\$108,188.00	\$1,850,357.02
4	SUPPLIES AND MATERIALS					
5	COMMUNICATIONS					
6	TRAVEL					
7	RENT AND UTILITIES					
8	EQUIPMENT					
9	MISCELLANEOUS					
TOTAL		\$1,742,169.02	\$105,788.00	\$14,876.08	\$120,664.08	\$1,862,833.10

In electronic form this spreadsheet will automatically calculate the expense totals from the Budget Detail Form.